



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200
Fax 613 632-5246

D5801-1

Job Sheet 207403

POSITIVE
RECALL

NO 20.02.20



Part No: D5801-1

Job Qty: 12 pcs

Part Name: Bushing



Part Weight: 0 lbs

Job Created: 2/25/20

Due Date: 3/6/20

Type: Stock

Status: New

Job Tracking No:

Created By: Jennifer Renwick

Description:

Priority: Medium

Note: URF 2020-525 DWG D5801 REV.A IPP REV:A NEW ISSUE 20.01.15 JV VERF:DD

Ship Via:

Bill of Materials

Job Routing

Op No	Operation	Qty	Start Date	Due Date	Standard		Workcenter/Supplier		Sign-off
					Setup Hrs	Run Hrs	Workcenter / Supplier	Lead Time	
100	Hardinge - 1	12 pcs		3/6/20	0.50	0.55	Hardinge - 1		JR 20.03.03
110	QC 2	12 pcs		3/6/20	0.00	0.00	QC 2 - 1		
							QC 2 - 12		
							QC 2 - 14		
							QC 2 - 17		
							QC 2 - 19		
							QC 2 - 2		
							QC 2 - 20		
							QC 2 - 22		
							QC 2 - 23		
							QC 2 - 25		
							QC 2 - 32		
							QC 2 - 33		
							QC 2 - 35		
							QC 2 - 39		
							QC 2 - 4		
							QC 2 - 40		
							QC 2 - 44		
							QC 2 - 45		
							QC 2 - 48		
							QC 2 - 49		
							QC 2 - 50		
							QC 2 - 51		
							QC 2 - 52		
							QC 2 - 57		
							QC 2 - 62		JB 20.03.03
							QC 2 - 63		
							QC 2 - 8		
							QC 2 - 66		
							QC 2 - 64		
							QC 2 - 65		

PRIORITY



Container No: S260110



Part: D5801-1

Job No: 207403

Serial No/Batch: S260110

Revision: REV.A

Inspector:

Exp Date:

Instructions:

1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
CANADA
TEL.: 1 613 632-5200
Email: sales@dartaero.com
www.dartaerospace.com

Date: 03/03/20

Plex 2/26/20 9:58 AM Dart.lajeunesse.marie

DAS
62
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62
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				QC 2 - 6	
				QC 2 - 71	
				QC 2 - 73	
				QC 2 - 69	
				QC 2 - 76	
120 QC 8	12 pcs	3/6/20	0.00 0.00	QC 8 - 12	
				QC 8 - 14	
				QC 8 - 17	
				QC 8 - 20	
				QC 8 - 25	
				QC 8 - 3	
				QC 8 - 32	
				QC 8 - 33	
				QC 8 - 35	
				QC 8 - 39	
				QC 8 - 4	
				QC 8 - 44	
				QC 8 - 45	
				QC 8 - 49	
				QC 8 - 58	
				QC 8 - 8	
				QC 8 - 9	
				QC 8 - 68	
				QC 8 - 67	
				QC 8 - 1 (A)	
				QC 8 - 47	
				QC 8 - 40	
				QC 8 - 52	
				QC 8 - 23	
				QC 8 - 57	
				QC 8 - 76	
				QC 8 - 61	
130 Packaging 3-1 - Stock - B4B	12 pcs	3/6/20	0.00 0.00	Packaging 3 - 1 - B4B	
				Packaging 3 - 2 - B4B	
				Packaging 3 - 3 - B4B	
				Packaging 3 - 4 - B4B	
				Packaging 3 - 5 - B4B	
				Packaging 3 - 6 - B4B	
				Packaging 3 - 7 - B4B	
				Packaging 3 - 8 - B4B	
				Packaging 3 - 9 - B4B	
				Packaging 3 - 10 - B4B	
				Packaging 3 - 11 - B4B	
				Packaging 3 - 12 - B4B	
				Packaging 3 - 13 - B4B	
				Packaging 3 - 14 - B4B	
				Packaging 3 - 15 - B4B	
				Packaging 3 - 16 - B4B	
				Packaging 3 - 17 - B4B	
				Packaging 3 - 18 - B4B	
				Packaging 3 - 19 - B4B	
				Packaging 3 - 20 - B4B	
				Packaging 3 - 21 - B4B	
				Packaging 3 - 22 - B4B	
				Packaging 3 - 23 - B4B	
				Packaging 3 - 24 - B4B	
				Packaging 3 - 25 - B4B	
				Packaging 3 - 26 - B4B	
				Packaging 3 - 27 - B4B	

Am 20/03/05

BAG
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2/26/2020

[Dart Hawkesbury] Job Sheet - Lajeunesse, Marie

				Packaging 3 - 28 - B4B	
				Packaging 3 - 29 - B4B	
				Packaging 3 - 30 - B4B	
				Packaging 3 - 31 - B4B	
				Packaging 3 - 32 - B4B	
				Packaging 3 - 33 - B4B	
				Packaging 3 - 34 - B4B	
				Packaging 3 - 35 - B4B	
				Packaging 3 - 36 - B4B	
				Packaging 3 - 37 - B4B	
140 QC 21 - SA	12 pcs	3/6/20	0.00 0.00	QC 21 - SA - 21	046
				QC 21 - SA - 70	27
				QC 21 - SA - 53	046

Part Op 100 - 1-Machine as per folio F D 193 FOLIO REV: AA DWG REV: A 2-Debur

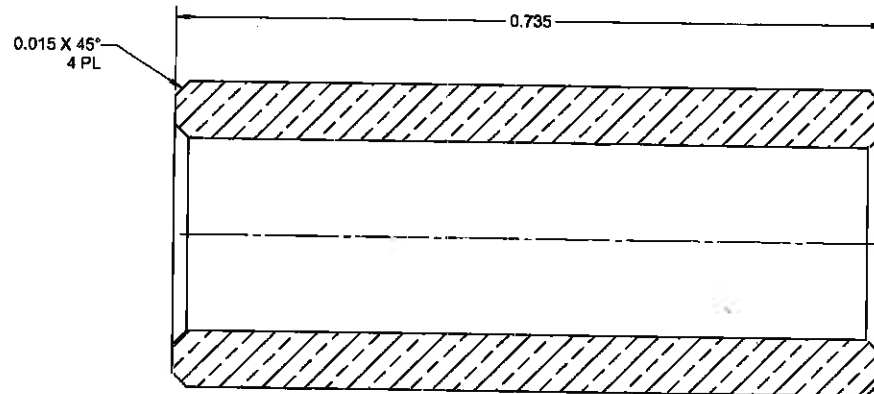
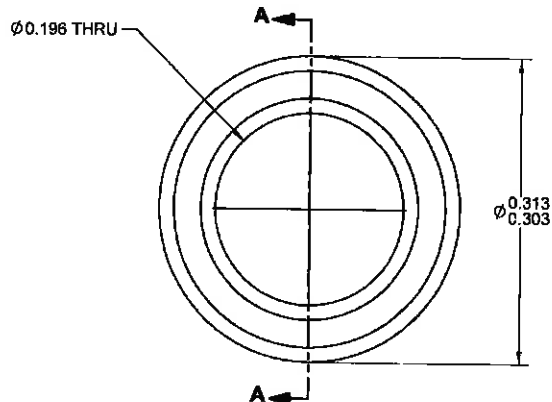
Descriptions: 110 - QC2- Inspect parts off machine FAI/FAIB
 120 - (QC8- Inspect parts - second check)
 130 - (Identify as per dwg & Stock Location: _____)
 140 - (QC21- Final Inspection - Work Order Release)

Job BOM				
Part / Item	Component Name	Quantity	Operation	Container
MBRONZR0.375	Bronze Rod 0.375"	.8748 ft (.0729 ea)	100-Hardinge - 1	5259979

Job Allocations				
Operation	Component Part	Required	Inventory	Allocated
100-Hardinge - 1	MBRONZR0.375	1	0	0

Part Specifications	
Specifications could not be found.	

Plex 2/26/20 9:58 AM Dart.lajeunesse.marie



SECTION A-A

D5801-1 BUSHING
(DERIVED FROM AERO DESIGN P/N 36275-01)

SHOP COPY
RETURN TO
ENGINEERING
UNCONTROLLED COPY
SUBJECT TO AMENDMENT
WITHOUT NOTICE
WORK ORDER
NO. 207403 MLS
20-02-26

RELEASED
2020 FEB 19
EOL 2-20-22

UNDER REVIEW
URF 2020-525 20.02.20 (NO)

NOTES:

- 1) MATERIAL: OIL IMPREGNATED SINTERED BRONZE ROUND BAR
PER SAE 841 TYPE 1, CLASS A OR AMS 4805 OR ASTM B438 GRADE 1, TYPE 2 OR MIL-B-5687D TYPE 1, GRADE 1
REF DART SPEC MBRONZR
- 2) FINISH: NONE
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
- 6) IDENTIFICATION: IDENTIFY PER DART QSI 044
- 7) WEIGHT: 0.01 lbs

APPROVED

A NEW ISSUE		ZF 20.01.10	
REV.	DESCRIPTION	BY	DATE
DESIGN	ZF		
DRAWN	ZF		
CHECKED	KPT		
MFG. APPR.	DD		
APPROVED	NO		
DE APPR.	CP		
DATE	20.01.10		

DART AEROSPACE LTD
HAWKESBURY, ONTARIO, CANADA

REV. A
SHEET 1 OF 1
SCALE
NTS

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Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

PURCHASE ORDER POHB045910



Supplier: MES002-VC
Metaux Solutions
2625 boul Jacques-Cartier Est
Longueuil
QC
J4N 1L7 Canada
Phone: 800 558 8858
Fax: 514 633 8044

Ship To: 1270 Aberdeen Street
Hawkesbury
ON
K6A 1K7 Canada
Phone: 613-632-5200

PO No: POHB045910

PO Date: 2/20/20

Due Date: 2/28/20

Purchase Order

Revision:

Revision Date:

Issued By:

Lavoie, Chantal
Phone: 613-623-5200 Ext: 242
Fax: 613-632-1053
clavoie@dartaero.com

Via: Ground

Pymt Terms: Net 60

Freight Terms:

Special Comments:

REVISED

Items

Line Item	Job	Part	Drawing	Supplier Part No	Description	Status	Account	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (CAD)	Extended Price
1		M304TR1.000W.035			304 Seamless Round Tubing 1.000 X .035W : MATERIAL: AISI 304/316 SS SEAMLESS ROUND TUBING AS PER ASTM A213 OR ASME SA213 OR ASTM A269	Firmed -		2/28/20	40 ft	0 ft	40 ft	\$10.85/ft	\$434.00
2		MBRONZR0.375		3" per pcs	Bronze Rod 0.375" : MATERIAL: OIL IMPREGNATED SINTERED BRONZE ROUND BAR AS PER SAE 841 TYPE 1, CLASS A OR AMS 4805 OR ASTM B438 GRADE 1, TYPE 2 OR MIL-B-5687D TYPE 1, GRADE 1	Firmed -		2/28/20	1 ft	0 ft	1 ft	\$93.20/ft	\$93.20

40ft

1ft

DAS 82 9-89 MAR 02 2020

DAS 82 9-89 MAR 02 2020

Line Item Note 4 pcs of 3" = 1ft

Grand Total: \$527.20

METAUX SOLUTIONS INC
2625 BOUL JACQUES CARTIER EST
LONGUEUIL, QUEBEC
J4N 1L7 Tel.: 450 641-3330

Shipping Order 27/02/2020

Order : 150542
Reference : PO:HB045910
Ship : PICK UP / PICK UP

Customer: 6323336

DART AEROSPACE LTD
1270. ABERDEEN STREET
HAWKESBURY, ONTARIO
K6A 1X7

Ship To

Same

Tel.: 1 613 632-3336

Item No.	Description	Qty	Qty. Delivered	B/O Qty
	***** FACTURER E-MAIL ***** SUPER IMPORTANT SUR LE PACKING SLIP INSCRIRE LES HEAT N			
SST10356	SS TUB 1.000 X .035 316 SMLS 2 X-20 ***** HT Ind 18-322	40		
OLB36	OILITE BRONZE 3/8 DIA. X 3" 4 PCES ***** HT, KS005674356	4		
	SHIP JOURNEY COLLECT JP			

RECEIVED
MAR 02 2020
DART AEROSPACE LTD.

Shipping : _____ Ref: _____
Package No : _____
Merchandise Received: _____

L11182

MBRONZR 0.375

SPECIFICATION CONTROL DRAWING

PURCHASE MATERIAL: OIL IMPREGNATED SINTERED BRONZE ROUND BAR

SPECIFICATION: SAE 841 TYPE 1, CLASS A OR
ASTM B438 OR
ASTM B438 GRADE 1, TYPE 2 OR
MIL-C-637D TYPE 1, GRADE 1

PART NUMBER: MBRONZR.DDD
DIA
WHERE "D.DDD" = DIAMETER IN INCHES
EG. 5/8 ROUND BAR = MBRONZR0.625

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89

RELEASED
2011-07-19

REV.	NEW ISSUE	DESCRIPTION	BY	DATE
DESIGN	AS	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA DRAWING NO. MBRONZR TITLE BRONZE ROUND BAR SCALE NTS	BY	10.10.25
DRAWN	AS		DATE	
CHECKED	10		REV. A	
MFG. APPR.	10		SHEET 1 OF 1	
APPROVED	10			
DE APPR.	10			
DATE	10.10.25	COPYRIGHT © 2010 BY DART AEROSPACE LTD THIS DOCUMENT IS THE PROPERTY OF DART AEROSPACE LTD. IT IS TO BE USED ONLY FOR THE PURPOSES FOR WHICH IT WAS ISSUED. IT IS NOT TO BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM, WITHOUT PERMISSION IN WRITING FROM DART AEROSPACE LTD.		

CONF 2

2



2625 boul. Jacques Cartier Est
Longueuil, Québec
J4N 1L7
Tel: (450) 641-3330
Fax: (450) 641-3332

CERTIFICAT DE CONFORMITÉ

DATE : 26 février 2020

CLIENT : DART AEROSPACE LTS
1270 ABERDEEN STREET
HAWKESBURY, QUÉBEC K6A 1K7

RÉFÉRENCE :

- VOTRE COMMANDE : POHB045910
- NOTRE NO DE COMMANDE : 150542

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ITEM 2 :

4 PCS OILITE-IMPREGNATED SINTERED BRONZE 3/8 DIA. X 3" LONG

HT : KS005674356

Produit selon les spécifications suivantes : ASTM B438 (Grade 1 Type 2), AMS 4805,
SAE 841, MILITARY MIL-B-5687D

Nous confirmons que le matériel fourni pour la commande ci-haut mentionné est
conforme aux spécifications indiquées.



2625, boul. Jacques Cartier Est
Longueuil (Québec)
J4N 1L7

Tél. : 450 641-3330 Téléc. : 450 641-3332
Tél. : 514 633-8010 Téléc. : 514 633-8044
1 800 967-2003

Entered: _____ Date: _____



WORK ORDER NON-CONFORMANCE / ROUTE UPDATE

NCR No. _____

Route update only ☐

Job: _____ Part No. _____	DISPOSITION Rework <input type="checkbox"/> Scrap <input type="checkbox"/> Use-as-is <input type="checkbox"/>	DEPARTMENT/PROCESS <div style="display: flex; justify-content: space-between;"> <div> Skid-tube <input type="checkbox"/> Machining <input type="checkbox"/> Large Fab <input type="checkbox"/> </div> <div> Cross tube <input type="checkbox"/> Small Fab <input type="checkbox"/> Finishing <input type="checkbox"/> </div> <div> Eng. (Non-AW) <input type="checkbox"/> Prod. Eng. Coord. <input type="checkbox"/> Rec/Store/Packaging <input type="checkbox"/> </div> <div> Engineering <input type="checkbox"/> Water Jet <input type="checkbox"/> Supplier <input type="checkbox"/> Quality <input type="checkbox"/> </div> </div>		
Date :	Sequence #:	QTY Affected :		MRB (QSI042)
Description Work Order Deviation		Disposition		
				Completed By
				Lead hand / Supervisor
				QC / QA Coordinator
Root Cause <div style="display: flex;"> <div style="flex: 1;"> Operator <input type="checkbox"/> Manufacturing Process <input type="checkbox"/> Equip/Tooling <input type="checkbox"/> Handling/Presservation <input type="checkbox"/> Material <input type="checkbox"/> Product Improvement <input type="checkbox"/> Process Improvement <input type="checkbox"/> Human Factors <input type="checkbox"/> </div> <div style="flex: 1;"> <input type="checkbox"/> Pressure/Forced <input type="checkbox"/> Bending <input type="checkbox"/> Crushing <input type="checkbox"/> Cracks <input type="checkbox"/> Crimp/Kink/Ripple/Wave/Twist <input type="checkbox"/> Marks/Chatter <input type="checkbox"/> Mislabeled </div> </div>	FAULT CATEGORY <div style="display: flex;"> <div style="flex: 1;"> <input type="checkbox"/> Contamination <input type="checkbox"/> Misaligned/off center <input type="checkbox"/> BOM/Route <input type="checkbox"/> Broken/Damage/Defect <input type="checkbox"/> Incomplete/Unclear Instructions <input type="checkbox"/> Drill Holes <input type="checkbox"/> Fit/Function </div> <div style="flex: 1;"> <input type="checkbox"/> Power Loss/Surge <input type="checkbox"/> Folio/Program <input type="checkbox"/> Grain Direction <input type="checkbox"/> Weld <input type="checkbox"/> Wrong Stock Pulled <input type="checkbox"/> Out of Sequence <input type="checkbox"/> Off-set/Set-up </div> <div style="flex: 1;"> <input type="checkbox"/> Positioned Wrong <input type="checkbox"/> Outside Tolerance <input type="checkbox"/> Drawing <input type="checkbox"/> Finish <input type="checkbox"/> Part Lost/Missing <input type="checkbox"/> Misread </div> </div>			
Other/Details:				